

Kalyani Kansal

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Education	PhD in Mathematics Johns Hopkins University Advisor: David Savitt	2016-2023 (expected)
	Bachelor of Medicine and Bachelor of Surgery Government Medical College, Chandigarh, India (Equivalent to MD degree in USA)	2007-2013
Past Employment	Post-doctoral fellow in Psychiatry Johns Hopkins University School of Medicine	2013-2016
Research Interests	Number theory, Arithmetic geometry	
Mathematical Papers	K. Kansal. “Codimension one intersections between components of a moduli stack of two-dimensional Galois representations”, <i>preprint</i> . A. Guzman, K. Kansal, I. Kountouridis, B. Savoie and X. Wang. “Smoothness of components of the Emerton-Gee stack for GL_2 ”, <i>preprint</i> .	
Invited Talks	Community building in Langlands Program Bonn, Germany	August, 2022
	Ohio State Number Theory Seminar Online	September, 2022
	Rice University AGNT Seminar Houston, USA	October, 2022
	UCSD Number Theory Seminar San Diego, USA (Upcoming)	November, 2022
	Johns Hopkins Junior Number Theory Days Baltimore, USA (Upcoming)	December, 2022
	Joint Mathematical Meetings AMS Special Session on Women in Automorphic Forms Boston, USA (Upcoming)	January, 2023
	Essen Number Theory Seminar Online (Upcoming)	January, 2023
Conferences Attended	Community building in Langlands Program Bonn, Germany	August, 2022

	Collaborative Research Workshop Eugene, USA	July, 2022
	Arizona Winter School, Automorphic forms beyond GL_n Tucson, USA	March, 2022
	MSRI summer school, Toric Varieties Taipei, Taiwan	August, 2019
	Serre conjectures and p -adic Langlands Padova, Italy	May, 2019
	MSRI summer school, Derived Categories Berkeley, USA	June, 2018
Selected non-Math Papers	K. Kansal, Z. Yang, A. M. Fishman, H. I. Sair, S. H. Ying, B. M. Jedynek, J. L. Prince, C. U. Onyike. “Structural cerebellar correlates of cognitive and motor dysfunctions in cerebellar degeneration”. Brain, 2017.	
	K. Kansal, M. Mareddy, K. L. Sloane, A. A. Minc, P. V. Rabins, J. B. McGready, C. U. Onyike. “Survival in frontotemporal dementia phenotypes: a meta-analysis”. Dementia and geriatric cognitive disorders, 2016.	
	K. Kansal, D. J. Irwin. “The Use of Cerebrospinal Fluid and Neuropathologic Studies in Neuropsychiatry Practice and Research”. Psychiatric Clinics, 2015.	
Teaching Experience	Instructor:	Linear Algebra (Summer 2017, 2018), Intro to Calculus (Fall 2021)
	TA:	Calculus I, II and III, Linear Algebra, Methods of Complex Analysis, Abstract Algebra (various, 2016-2022)